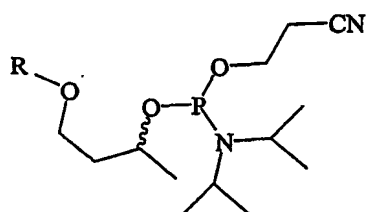


What is claimed is

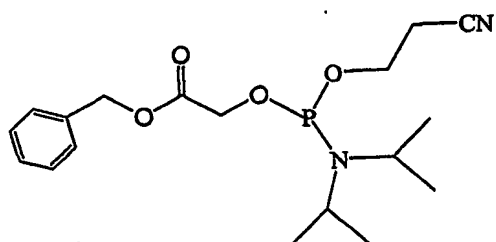
1. A phosphoramidite compound of formula (I), (II), (III), (IV) or (V):

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(I)

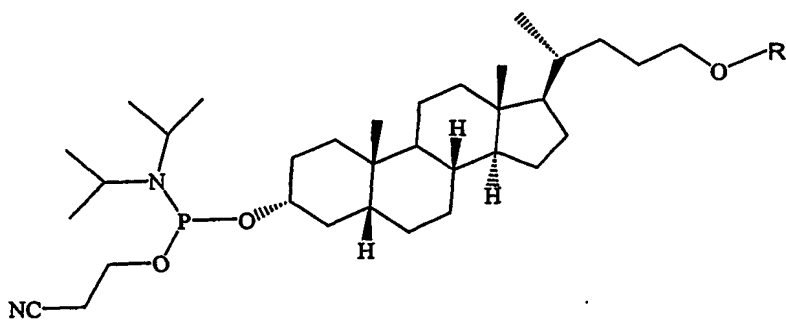
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(II)

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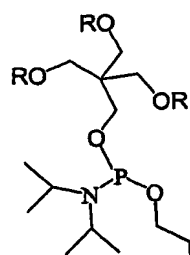
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(III)

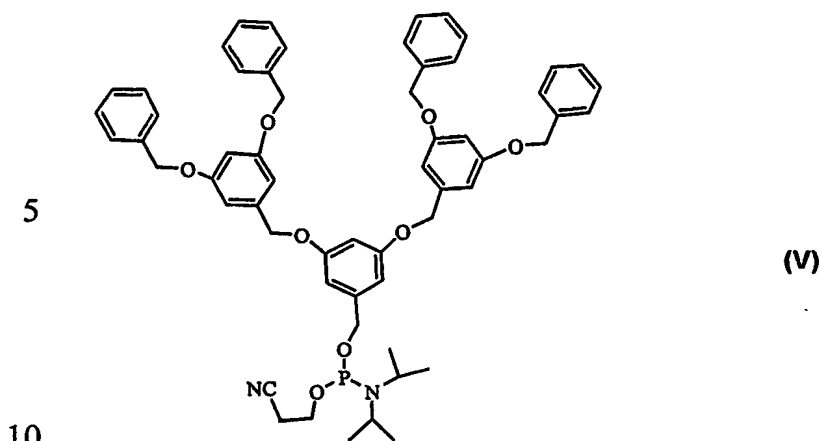
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(IV)

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wherein:

R is a dimethoxytrityl (DMTr), levulinyl (Lev) or tert-butyltrimethylsilyl (TBDMS) group.

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2. The compound of claim 1, which is selected from the group consisting of:

(S)-(+)-1-O-DMTr-3-O-(2-cyanoethyl)-N,N-diisopropylphosphoramidite)-1,3-butanediol;

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(R)-(-)-1-O-DMTr-3-O-(2-cyanoethyl)-N,N-diisopropylphosphoramidite)-1,3-butanediol;

O-((2-cyanoethyl)-N,N-diisopropylphosphoramidite)-benzylglycolate;

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O-DMTr-((2-cyanoethyl)-N,N-diisopropylphosphoramidite)-lithocholic alcohol;

O-tri-DMTr-((2-cyanoethyl)-N,N-diisopropylphosphoramidite)-pentaerithritol;

O-DMTr-O-di-Lev-O-((2-cyanoethyl)-N,N-diisopropylphosphoramidite)-pentaerithritol; and

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O-DMTr-O-Lev-O-TBDMS-((2-cyanoethyl)-N,N-diisopropylphosphoramidite)-pentaerithritol.